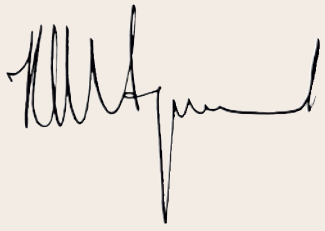
Advances in deep computing are leading to the solution of previously intractable problems and are providing new knowledge and understanding at the frontiers of business and science—by exploiting strengths in high-end computing, data storage and management, algorithms, modeling and simulation, visualization and graphics. Most of the papers in this issue provide evidence of such progress.

Through interdisciplinary efforts, computational scientists and engineers working with domain experts are successfully tackling a multitude of important problems by developing and exploiting new algorithmic techniques for current and future deep computing environments.

Associated efforts by IBM scientists range from developing advanced computational hardware and software and integrating the various components that create the deep computing infrastructure to providing computational science assistance to the company's partners. The IBM Deep Computing Institute serves as a focal point for these efforts.

I am proud to be associated with this partnership and to support the efforts of the many people at IBM and their colleagues in this exciting and rapidly evolving field.



Tilak Agerwala
Vice President, Systems
IBM Research Division